

ABSTRACT

A liquid crystal monitor drive apparatus that is less vulnerable to EMI emissions and minimizes the manufacturing cost thereof includes a connector for inputting an analog graphic signal from a graphic card through a transmission cable, an analog-digital converter for converting the analog graphic signal from the connector into a digital graphic data, a scaler for scaling the definition of the digital graphic data from the analog-digital converter according to a liquid crystal panel, and a timing controller for driving the liquid crystal panel based on the digital graphic data from the scaler. At least two of the analog-digital converter, the scaler, and the timing controller are arranged in a unitary integrated circuit chip.